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IN THE US PATENT AND TRADEMARK OFFICE

Applicants : George D. CHANDLEY et al. February 17, 2003
For : TITANIUM ALUMINIDE MATERIAL RESISTANT TO
MOLTEN ALUMINUM
Serial No. : 09/740 708 ✓
Filed : Dec. 19, 2000 ✓

Group: 1742
Examiner: Combs
Confirmation No. 5022

Box AF
Assistant Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO OFFICE ACTION
UNDER 37 CFR 1.116

Dear Sir:

Please amend the above application as follows:

IN THE CLAIMS:

- 31
1. (Withdrawn)
 2. (Withdrawn)
 3. (Withdrawn)
 4. (Withdrawn)
 5. (Withdrawn)
 6. (Withdrawn)
 7. (Withdrawn)
 8. (Withdrawn)
 9. (Withdrawn)

~~1~~ 10. (Currently amended) A method of increasing the service life of a titanium aluminide alloy in contact with a molten material comprising aluminum, comprising including in the titanium aluminide alloy a rare earth element in an effective amount to prolong resistance to attack of the alloy by the molten material and contacting said alloy with said molten material.

11. (Original) The method of claim 10 wherein said rare earth element is included in a predominantly gamma TiAl alloy.